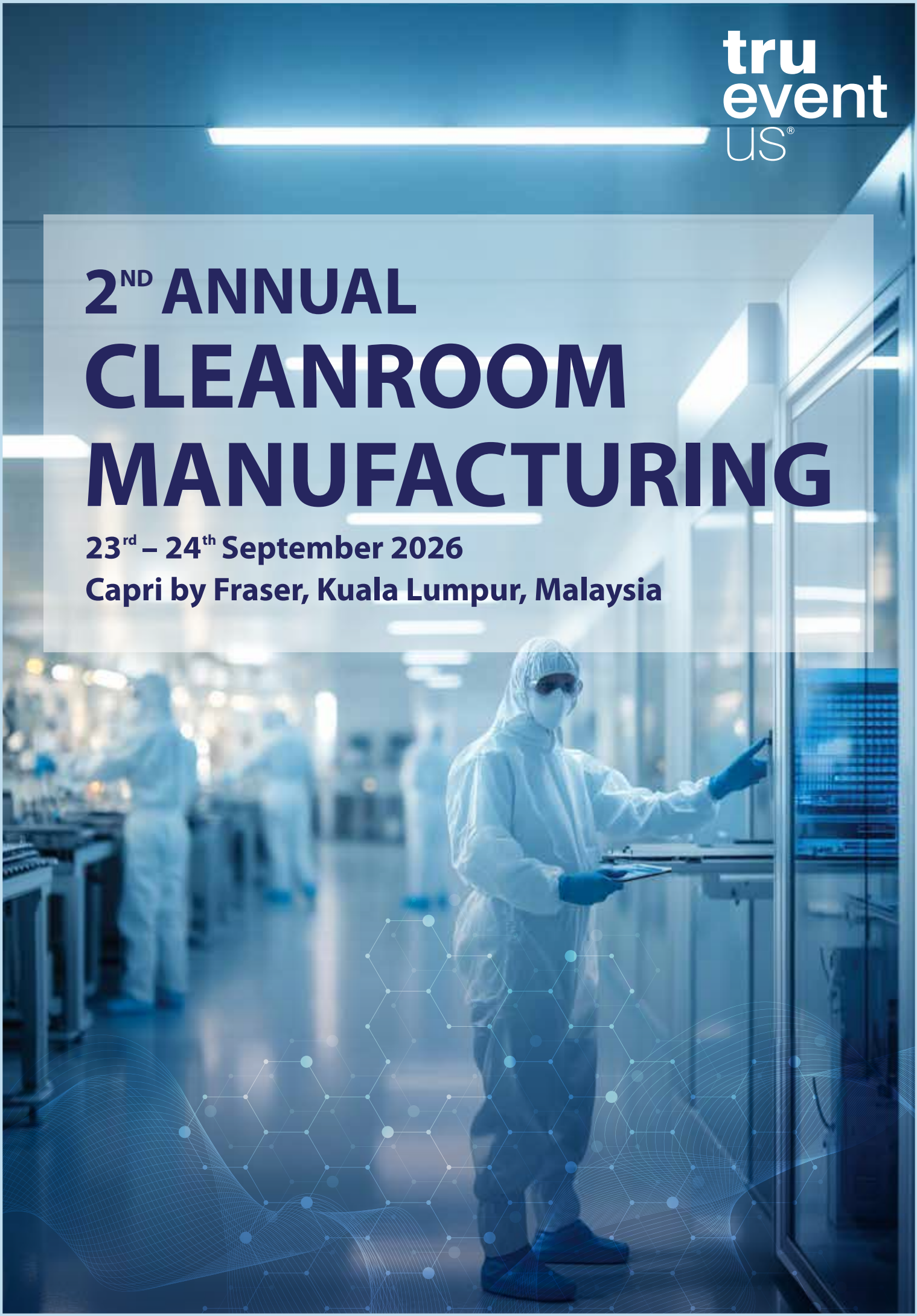

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2ND ANNUAL CLEANROOM MANUFACTURING

23rd – 24th September 2026

Capri by Fraser, Kuala Lumpur, Malaysia

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EVENT OVERVIEW

The APAC Cleanroom Technology Market is valued at USD 2.1 billion, driven by rising demand from the pharmaceutical, biotechnology, and semiconductor industries, where strict cleanliness standards are critical for product quality and safety. Countries such as China, Japan, and India lead the region due to their strong manufacturing sectors, technological investments, and key positions in global supply chains, all of which drive the need for advanced cleanroom solutions.

In Malaysia, significant investments are strengthening the country's role in high-value cleanroom manufacturing. Green Excel Manufacturing (GEM) has launched a state-of-the-art facility in Taiping, Perak, producing cleanroom architectural products like wall panels, ceilings and windows. With RM95 million invested, the facility employs advanced automation to ensure efficiency and quality, while creating skilled jobs in Malaysia's growing high-tech manufacturing sector. Similarly, Oliver Healthcare Packaging, a U.S.-based medical packaging company, has opened a 120,000-square-foot cleanroom facility in Johor, it's largest in the Asia-Pacific region. With an investment of RM200 million, this plant enhances the regional supply chain for medical-grade packaging including pouches, lids, and roll stock for pharmaceutical and medical device companies. Together, these projects position Malaysia as a regional hub for cleanroom-driven manufacturing, supporting advanced industries such as healthcare and pharmaceuticals.

In Singapore, VDL Enabling Technologies Group (VDL ETG) has inaugurated its SQ1 facility in Jurong, investing S$100 million over five years. The 20,000 m^2 facility features offices, warehousing, logistics, and cleanroom manufacturing space for precision components used in semiconductor wafer fabrication equipment. This expansion aims to increase the company's revenue from S$400 million to S$1 billion within five to six years. In the Middle East, Fabtech Technologies Cleanrooms has launched a UAE subsidiary and secured a ₹330 million contract for modular cleanrooms, further demonstrating the growing demand for specialized cleanroom infrastructure globally.

These developments demonstrate that cleanroom manufacturing is driving innovation and growth in the semiconductor, medical, and high-tech industries, fuelling confidence in expanding advanced operations across Asia and the Middle East. The **Cleanroom Manufacturing** conference by **Trueventus** accelerates this progress by uniting industry leaders to share insights, showcase cutting-edge solutions such as modular cleanrooms, advanced air filtration, and automation, and shape the future of safe, high-quality manufacturing.

WHY YOU CANNOT MISS THIS EVENT

- Studying strategies for particle and microbial contamination control
- Analyzing real-time systems for monitoring air quality, particles, and contamination in controlled spaces
- Navigating strategies for recovering from facility shutdowns in sterile and cleanroom manufacturing
- Examining advanced HEPA and ULPA filtration systems for superior air quality in cleanrooms
- Discussing cleanroom robotics for enhanced precision and cleanliness

WHO SHOULD ATTEND?

This event is targeted but not limited to: CXOs, VPs/ Directors/ Heads/ General Managers/ Managers of:

- Cleanroom Design and Construction
- Sterile Manufacturing Operations
- Quality Assurance and Quality Control (QA/QC)
- Facilities and Maintenance Management
- HVAC and Environmental Controls
- Contamination Control and Monitoring
- Utilities and Energy Management
- Process Engineering and Technology
- Environmental Health and Safety (EHS)
- Regulatory Compliance and Validation

From the following industries:

- Pharmaceutical Manufacturing
- Biotech and Life Sciences
- Medical Device Manufacturing
- Semiconductor and Microelectronics
- Aerospace and Defence (Cleanroom Applications)
- Food and Beverage (Sterile Environments)
- Healthcare Facilities Management

Click below to visit our website:
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FOR FURTHER DETAILS, CONTACT
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: +603 2775 0067 : johnk@trueventus.com

EVENT PARTNER

The CPIOPI (Chemical and Pharmaceutical Industry Organization of the Philippines, Inc) is a growing organization of chemical and pharmaceutical industries who committed themselves to take active part in the prevention of chemical diversion and illegal trade of essential chemicals and controlled substances.

www.cpiopi.org/

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FEATURING PRESENTATIONS AND CASE STUDIES BY DISTINGUISHED SPEAKERS

Suriaprasad Peragasan
Senior Facilities Electrical Engineer
Robert Bosch Semiconductors Penang (RBSP)
Malaysia

Ir. Ts. Mohammad Azizol Shafiee
Facilities Manager
ams OSRAM
Malaysia

Yong Jian Lee
Senior Technical Services Manager, APAC
Charles River Laboratories
Singapore

Min Kim
General Manager
ebm-papst
Malaysia

Puvanieshvaran Ampanatham
Site ESD Program Advisor
Celestica
Malaysia

Edwin Charles Balakrishnan
Operations Manager
Neways Electronis Sdn Bhd
Malaysia

SieeKung Khiew
Staff Lean & Continuous Improvement Engineer
Ambu A/S
Malaysia

Ashwin Thevarayan Valliyappan
Project Manager/ Pharmacist
Duopharma Biotech Berhad
Malaysia

Bogie Manendra
Life Sciences Process Expert
Schneider Electric
Singapore

Muhammad Ridwan bin Jumadi
Project Management Officer
Turner International
Malaysia

Ts. Thevakaren Govindarajoo
Facilities Manager
Lam Research
Malaysia

Pramila Devi Madhaven
Senior Quality System Team Lead
Teleflex
Malaysia

Dr. Siew Leng TAI
Quality and Process Director
Rieckermann
Malaysia

Dr. M Madan Mohan Reddy
Senior Vice President
Novugen
Malaysia

Jian Han Lim
Sr Staff – Global Facilities Engineering
Dexcom
Malaysia

Rhys Brooks
ANZ Operations Manager
Icon Group
Australia

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Day One: Wednesday, 23rd September 2026

0800 Registration & Coffee

0850 Opening Keynote Address

0900 Session One

Process-driven cleanroom design for sterile multi-product manufacturing

- Design cleanrooms around your process to ensure optimal sterile manufacturing performance
- Deliver uncompromising contamination control through intelligent zoning, airflow, and operational flows
- Achieve the ideal balance of flexibility, regulatory compliance, and cost efficiency for multi-product facilities

Dr. Siew Leng TAI, Quality and Process Director
Rieckermann, Malaysia

0945 Session Two

Minimizing Human Contamination Risks Through Best Practices in Gowning Systems

- Human Contamination: The Primary Risk in Cleanrooms
- Pre-Entry Preparation and Controlled Gowning Protocols
- Behaviour, Facility Environment and Practices, and Exit Protocols

Rhys Brooks, ANZ Operations Manager
Icon Group, Australia

1030 The Speed Networking - The Mad Minutes!

Fun and fast, this networking activity is a great opportunity to grow your connections.

1105 Morning Refreshments

1130 Session Three

Accelerating Sterility: Rapid Solutions for Endotoxin and Microbial Control

- Understand how rapid methods enhance endotoxin and sterility testing.
- Recognize the impact of rapid testing on risk control and product release.
- Learn key requirements for implementing and validating rapid microbiological methods.

Yong Jian Lee, Senior Technical Services Manager, APAC
Charles River Laboratories, Singapore

1215 Session Four

Regulatory Expectations for Cleanroom Management: Aligning Global Requirements with Effective Contamination Control

- Regulatory expectations for cleanroom management across global agencies (EU GMP, FDA, PIC/S, WHO)
- Implementing Contamination Control Strategy (CCS) in alignment with EU GMP Annex 1 requirements
- Sustaining compliant cleanroom maintenance and controls through lifecycle oversight and risk-based management

Dr. M Madan Mohan Reddy, Senior Vice President
Novugen, Malaysia

1300 Networking Luncheon

1400 Session Five

Ensuring Efficient HVAC Systems: Airflow, Filtration, and Pressure Differentials to Meet Cleanroom Specifications

- Critical design considerations for airflow management and pressure cascade control in cleanrooms
- Optimization of filtration systems (HEPA/ULPA) for contamination control and energy efficiency
- Practical challenges and lessons learned in maintaining HVAC performance in operational cleanroom environments

Ir. Ts. Mohammad Azizol bin Shafiee, Facilities Manager
ams OSRAM, Malaysia

1445 Session Six

From HVAC subsystems to full plant optimization of cleanroom facilities – how AI based digital twins, cascading optimization effects, and service on demand concepts reduce downtime and maximize energy efficiency

- AI driven predictive maintenance and service on demand leverage fan health status, vibration analytics, and filter blocking detection to prevent unplanned downtime across the entire plant HVAC infrastructure.
- AI based digital twin optimization with cascading effects continuously determines cost and energy optimal operating points across the full HAVC systems at full plant level.
- Data driven plant operation allowing best possible controls, optimizing the lifetime of the equipment and service cost reduction.

Min Kim, General Manager
ebm-papst, Malaysia

1530 Afternoon Refreshments

1600 Session Seven

Improving Cleanroom Performance Through System Thinking [Applying Deming and Lean Principles To Reduce Contamination Risk]

- Stable Airflow, controlled workflow and clear procedures reduce contamination risk
- Process consistency improves environmental control reliability
- System based design support suitable cleanroom compliance

Edwin Charles Balakrishnan, Operations Manager
Neways Electronis Sdn Bhd, Malaysia

1645 Session Eight

Audit Ready, Low Carbon Cleanrooms: How Facilities & QA Can Align on Energy Efficient Environmental Control

- Why this topic matters?
- The cleanroom energy reality (from facilities perspective)
- What our QA really matters
- The synergy/ bridges between QA and Facilities
- Key takeaways

Bogie Manendra, Life Sciences Process Expert
Schneider Electric, Singapore

1730 End of Day One

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Day Two: Thursday, 24th September 2026

0800 Registration & Coffee

0850 Chairperson Welcome Address

0900 Session One

Real-Time Systems for Monitoring Air Quality, Particles, And Contamination in Controlled Spaces

- Introduction to Cleanroom monitoring system
- Cost saving for cleanroom monitoring system
- How AI and IoT can be implemented for Cleanroom monitoring system

Suriaprasad Peragasan, Senior Facilities Electrical Engineer
Robert Bosch Semiconductors Penang (RBSP), Malaysia

0945 Session Two

Smart Approaches to Air Changes per Hour in Modern Cleanrooms

- Understand Cleanroom Air Changes Expectation
- How to move from convention Cleanroom Air Exchanges to SMART Approaches?
- How much business costing can save work towards SMART Modern Cleanrooms Air Exchanges?

Jian Han Lim, Sr Staff – Global Facilities Engineering
Dexcom, Malaysia

1030 Morning Refreshments

1100 Session Three

Risk-Based Commissioning, Qualification, Verification (CQV) – From Start-Up to Ongoing Cleanroom Performance

- Understanding the fundamentals of risk-based CQV for pharmaceutical cleanrooms, sterile manufacturing areas, and critical GMP systems.
- Implementing commissioning and qualification strategies to support faster start-up of pharmaceutical manufacturing facilities and aseptic operations.
- Identifying and managing risks that may affect product sterility, contamination control, and GMP compliance in pharmaceutical environments.

Ashwin Thevarayan Valliyappan, Project Manager/ Pharmacist
Duopharma Biotech Berhad, Malaysia

1145 Session Four

Strategies for Recovering from Facility Shutdowns in Cleanroom Manufacturing

- Phased Restart and Environmental Stabilization
- Comprehensive Cleaning and Contamination Control
- Requalification and Compliance Verification

Ts. Thevakaren Govindarajoo, Facilities Manager
Lam Research, Malaysia

1230 Networking Luncheon

1330 Session Five

Maintaining Cleanroom Integrity During Construction and Renovation Activities

- Introduction of Cleanroom Construction and Protocol
- Cleanroom Protocol Implementation
- Cleanroom Compliance

Muhammad Ridwan bin Jumadi, Project Management Officer
Turner International, Malaysia

1415 Session Six

Managing and Mitigating Electrostatic Discharge (ESD) Risks in Controlled Environments

- ESD Risk Assessment and Zoning Strategy
- Grounding and Bonding Infrastructure Design
- ESD-Safe Materials and Equipment Selection

Puvanieshvaran Ampanatham, Site ESD Program Advisor
Celestica, Malaysia

1500 Afternoon Refreshments

1530 Session Seven (Topic to be Revised)

Implementing Rapid Microbial Identification in cGMP Facility

- Technology Selection and Method Suitability
- Integration with Environmental Monitoring Programs
- Data Integrity and Digital System Integration

Pramila Devi Madhaven, Senior Quality System Team Lead
Teleflex, Malaysia

1615 Session Eight

Optimizing Operator Performance Through Cleanroom Workstation Design

- Design ergonomic, clutter free workstations to reduce operator fatigue and improve task efficiency.
- Optimize layout and tool placement to minimize motion, handling time, and contamination risk.
- Use standardized, adjustable workstation setups to support consistent performance across shifts and operators.

SieeKung Khiew, Staff Lean & Continuous Improvement Engineer
Ambu A/S, Malaysia

1700 End of Conference

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COMPANY DETAILS

Name	Industry
Address	
Postcode	Country
Tel	Fax

ATTENDEE DETAILS

1	Name	Job Title
	Tel	Email
2	Name	Job Title
	Tel	Email
3	Name	Job Title
	Tel	Email
4	Name	Job Title
	Tel	Email
5	Name	Job Title
	Tel	Email

APPROVAL

NB: Signatory must be authorised on behalf of contracting organisation.	
Name	Job Title
Email	
Tel	Fax
Authorising Signature	

REGISTRATION FEES

	Corporate
End of July 2026	**USD 1695 + 8% SST (Per Delegate)**
End of August 2026	**USD 1995 + 8% SST (Per Delegate)**
1st September 2026 onwards	**USD 2195 + 8% SST (Per Delegate)**

All options inclusive of delegate pack, luncheon and refreshments.

JK

PAYMENT METHODS

Payment is due in 5 working days. By Signing and returning this form, you are accepting our terms and conditions.

- ☐ Bank Transfer
- ☐ Credit Card

HRDC claimable under SBL KHAS scheme
HRDC Approved Training Provider Reg No: 889325K
(Applicable for Malaysia only)

REGISTER NOW

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Take a Snapshot or Scan and Email us
https://www.linkedin.com/in/john-karras-a454a6a

EXHIBITION OPPORTUNITIES

Limited packages are available.
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TERMS & CONDITIONS

1. The course fee is inclusive of the event proceedings, materials, refreshment and lunch.
2. Upon receipt of the complete registration form, invoice will be issued. Trueventus request that all payments be made within 5 working days of the invoice being issued. Full payment must be received prior to the event. Only delegates that have made full payment will be admitted to event. Clients are responsible for their own banking fees and banking fees will not be absorbed into the booking price.
3. Substitution & cancellations policy. Should the registered delegate is unable to attend, a substitute delegate is welcome at no extra charge. Written notifications of all substitutions is required 5 working days prior to the event. Trueventus contracts carry 100% full liability upon receipt of registration. Non payment does not constitute cancellation. A 100% of cancellation fee will be charged under the terms outlined below: Due to limited event seats, Trueventus agrees to book and confirm the seat for the client upon issuance of invoice. Upon signing of this contract, client agrees that in case of dispute or cancellation of this contract Trueventus will not be for total contract value. If a client does not attend the event without written notification at least 5 working days prior to the event date, he/she will deemed as no show. A no show at the event still constitutes that the client will have to pay the invoice amount that was issued to them. Trueventus does not provide refunds for cancellations. By signing this contract the client also agrees that if they cancel that Trueventus reserves the right to pursue monies owned via the use of local debt collection agency were the client is situated. Furthermore the client will be held liable for any costs incurred in collection of outstanding monies. When any cancellations are notified in writing to Trueventus 5 working days prior to the event, a credit voucher will be issued for use in future Trueventus events.
4. Trueventus will at all times seek to ensure that all efforts are made to adhere to meet the advertised package, however we reserve the right to postpone, cancel or move a venue without penalty or refunds. Trueventus is not liable for any losses or damages as a result of substitution, alteration, postponement or cancellation of speakers and / or topics and / or venue and / or the event dates. If force majuere were to occur Trueventus accepts no responsibility or liability for any loss or damage caused by events beyond their control, including, but not restricted to strikes, war, civil unrest, flight delays, fire flood, or any adverse weather conditions. Trueventus is not liable in the event that a participant is exposed or is infected by Covid 19. Trueventus under no circumstances is liable for any other costs that might have been incurred in the attendance of the event, including but not limited to flights, accommodation, transfers, meals etc. Trueventus reserves the right to replace / change speakers in the best interest ofthe conference.
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9. All Trueventus events are held in a classroom or theater format.
10. All Trueventus events are held at either 5 or 4 Star Hotels.
11. All payment must be directed to Trueventus in full prior to the event. Any company's participating in National training schemes such as HRDC Scheme and are applying grants you must first pay Trueventus and upon you receiving the grant you will be refunded this amount back. Failure to pay prior to the event can result in your company being blocked from joining the conference.
12. All transaction charges, withholding taxes, local taxes, or currency exchange issues will be strictly absorbed by sender. Trueventus reserves absolute right to refuse admission of participant/s to the event should invoice amount is not received in full.

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